Prelliophorus, I. September 17, 1958 ## = tilvales = Yellow-thighed Twich Quite a lot of there around here in reconsignowith I surabbery wear cleared awas. In two or threes, Alles species cooles most un-quich-lilie mi life Ratter Celle a Tailing phones totages also recus to feed on the yound or the low grains o regulation juit off the ground - leve the of White - kind Tarages I ouce had in my aviary for a little while There have done delivort nothing in the may of interertue beliavos no fai One buid gave a revier of may identical "faile" or "Fuch" notes, very roft, when it flew amonthe constants. Very pronounced lateral component Usu-ally V-B, I think, probably rometimes D-V They apparently do little or no WF-ug with this 1118 Prelliophorus, I Leptewleer 18, 1958 Ceno Punta Again watthing were of there birds
This species is definitely quite gregarious. Very often or
even usually groups of 3. I have seen groups of 5

I wouder of the slater color could be concluted with this gre-They are also very vocal (umall but vot always), when moving about apt to give lots and lots of "Fuck"s. Blugten when flying moderate dutances, auclerated wito almost an R It is pourble that they also have a lighter petiled rugle reote E E has heard this It is also pourlike that it has a clear, rather formless but not un-melodious, ratter muguez, stroit wardele lelle song. Have beard the from clumps of vegetation in wheil there burds were lurling, but have never actually rein a buddoing it. September 19, 1958 Pselleophous, I Ceuo Panta

Deaught a young beid (in almost aduct plumage - guita little lighter underweath) but it escaped. It then flew to a near-ly perch, where it was somed by adoluts, prenumable its parents. Then, one, two, or evenall thick of the brids rang! I didn't ree this, but E, E did He raid that there was no intralged porture with this rong. The rong itself was the name as I beard yesterday a loudo rather pleasant, but rather formless, twittering warble. Apparently used as queting here. Which it way well have been yesterday too). I suppose that it wight contain a bottile component, but it can't be great (at least in there circumstances)

Prelleophous, Lep. 19, 1958, II. Illes round at all in the net or while being handled. This Yellow thighed Jewill Cry the ways made no This years also ansistes with the neived flocks of Z Buile-tanagers, warblers, etc. Lowetimes apparently an ent I egral wewless of the block - at least for a while. Lowelines I feedling a little dutance away from the main body of the true's later to day Uwall, he says, after a bend penched if-to be fluibed it. Would magget that the song may be hortile. Prelleophones, I September 20, 1958 Ceno Punta I have now anglet a whole family. One adult of one adult of one adult of one adult of one young (looking almost adult). All quite 1 & releast when houseled. The three members of the family came together. In quite murit-11 & weeliged poeterie. Later ou I watelied a group Cagain poully or probably again one bird of the group sang whenever it rejoined one or & both of the others, or when one or both of the others rejound it again from quite unvitualized portures Calthough I couldn't

(4) Orelleophorus, Lep. 20, 1958, II. heathers were exected). Quite a variety of portures, in fait; just auny sort of "travelling" porture it might happen to be in at the Once the burel flew on alread of the others, and rang when it lauded in the new spot (re away from the others) ande from this one not men clear incident, the levid nev er rang when it was isolated from the others. I E this rouges apparently very different from the WS of the Thranges tanagers apparents a nort of "greeting" May have a function runlar to the GHAC Notes of the green-backed Spanow Queround however, the roug of this yellow-thighed Swell is quite rewiniscent of the Balon Janages. But even more E. E. transculies the call "Isinetoweetsawee cha-(Poulle pluares repeated) toireetsweetsareetsit" 242 records for there 2 plurases E.E. calls it a "squeaky E. E heard one Yellow-thighed Juich give "Iznee Hotes repeatedly. Recemblance to Tachyphonus? This lund was one of a family garty of three Just gave these notes while it was flying from but to built, neuwably feeding One buil (the same boid?) of the rame group also gave a peculiar version of the roug facue pattern as the song we have heard before, but numical, whented, and We shorter Onegolid this once, after the two other levels in the

Prelliophous Sep. 20, 1958 III (3) 11 & family group had just rejoured it. above way have been a right modification of the fourt syllable or fruit two ryllables of the ordinary roug. Pouling a rout of int moon.) at the name time as a TF, but it is certainly very near in-Prelliophous, I September 21, 1955 Couo Punta I have reen several more cases of livids informly groups suignie when they land aftergoine on ahead of the rect of the family family so the roug might conceivable function as a sort of landing call", or may be used to "call in" the family from short dutances. anothercare of a little flock composed of at least 5 individuals Part of a nerved flock with the unal other specie Prelliophoues, I March 5, 1939 Ceuo Punta I cept that the family parties new to have completely broken up J. Bords always rugle or in pairis. The nuveal floches based on Buch tanagers also neen to

6 Pulliophous, Mar. 5, 1959, II. beve devolved completely so there mi't very much for the fellow I thighed Friches to anouate with but they certainly do that to I havet the same thickets as the Tellow- throated allapetes, and the of two years often occur together in the rune places at the rave to rue - unally withtrout any very oliveous vieter - action. The one poutine reaction lettrucen the 2 years I have reen occurred this monning. a mugle of (?) Yellow-thigh was migues by itself on a branch when a yellow-throated attapeter landed on the rank branch. The Gellow thigh unwedertely hopped away a coup. le offeet and stopped migrig. He attapetes juit liegan feeding, appar. enthy ignoring the yellow. thigh, but a couple of minutes later the attapetes flewat the Gellow-thigh and drove it away! This would certainly unggest that the attopeles is dominant although it is by farethe sheyer (visa vis humans) of the two species The buleavior of this migle Wellow-thigh was quite interesting before the attagetts appeared. Letting at the tip of our exposed branch, sugnieg. Repeating roug plerases (I think my description of the roug of the years lost year is quete good) very frequently but not very lowelle. From quite normal invictoralized netting parture, milliont au met raining or anything new gang. The whole performance was quite temin. iscent of the conventional roug of the inmated wales of many munit we orinine species when they are trying to attract a mate. I cancertainly conferin that whenever one bird of a pair rejours the other at least one of the birds (and poully both) sings ara four of "greeting! Their is really quite remarkable. I hnow of no otte spices which habitually mugi in such wicewistances We saw one interesting vicident later withe morning. One

Prelliophous, Mar. 5, 1959, III

3

burd landed by stilly miguing a conventional none plurase quitas;
or quit after, it landed. Thunk that it was home en perted to find
its mate near where it landed - as there had been another build
there " few monds before.) Then it not for a moment (looking pe
repleved ???), Then it began to utter a call which I had never
beard before. A write of clear white blie and or flute blue notes
"Whee whee whee whee whee ...," Probably, I think, 5 to 7 notes in
each call alroquen from quite unritualized returning poeture

Doubly due to the writed gavining donine? In any case, the land
gave the call 3 times and then flew off and disappeared

Prelliophorus, I.

March 7, 1959 Cerro Paula

Jostie last 2 days Cand god brows they are very common all as ound live have been believing juit as before. The out interesting thing I naw today was a pair of yellow-thislied Finders follow
Judgalong with a never floods of small beids, largely Black-check ed Wardsters, Baidenterns melanagenes, (there were probable some other warblers, such as reditarts, with this floods — but I could not see them). In thick forest, bugh up on mountain, over 7000 ft. (almost all my previous observations of Jellow-thisland frieles — all the observations of neveral floods "involving Brown
Copped Buils tanagers, etc., but year — were made between \$200 ft and 6000 ft.)

and again they were rilent whou handled in my net tostay.

Prelliophorus, I March &, 1959 Ceno Printa

Mis afternoon, in nome record growth built alightly below 7000 ft, I naw a pair of Yellow thingsed finiches defined the following along with a nursed floods which also included both species of Red-starts, Wilson's Warbler, Yellow throated attacked attacked, our Reddy Free-runner, and a group of lettle frich-blie or warbler-lelie berids which we haven't been able to ident ify yet.

Prelleopliones I.

Ceno Punta

bes today at the same level, Respect, below 7000 st. I wo pairs.

I think their brids may be quite timberal they certainly follow or join mired species florles; but they may only travil with the feocles while the feocles are parine through their own tenton, again I saw an apparent, migle brid (probably a mated bind whose waternas alnest) give a rong like the one discubed about on Mar. 5, p. 7, "Jawheer where where where where where where in an invitalized porture. This is the vocalization which is obvious the water of the "call in "the mate, i.e. it is large, or completely the equivalent of the "song" of other species. I shall call it "the long mates, the equivalent of the GHAC of other species, I shall call the

11 " quee"

Later on with morning a vigorous dispute, with lots of class wing and particles some actual pechning, broke out between 4 Yellow thirties. Brobable & pavis. In the neighborhood of a mixed flock of the wile it probable began when I pair followed the flock over the border of the tenitor of another pair. The despite certaint, occurred between two areas in which we had near different pairs before In am case the cutual charmer was accompanied by a series of loud "chuck" Notes life particularly emphatic vernous of the ordinary CN, and also a series of hourse "free "Notes, uttend by one of more broids. It is my impremion that ment of the "Clinick" is were uttered while the bricks were in flight and most of the "freee"s after they had landed after the flight. The hourse quality of the "freee"s was strong enough to make them round like the HAC Hotes of other species, and I am were that they were homologous with the latter. (I shall call there "freee "Incee "Incee

It not ree the besides, as they were in the bottom of nowe bushes) a built of juitecularly loud Wbl's by one or more builds. Huch louder than the cordinary "greeting" Wbl's, but otherwise apparently identical. Then

one of the pavis flew off; and the Well stopped.

that the Wel is longer or completely apoille in nature.

One of the heids remaining after the other pair had left, after the Wel had stopped, liopped about in the builtes with its west more or less definitel, raised for at least a ministe. Quite ileut, not even give une (N's, divining this period

Derocefet the 2 birds I caught at Ceno-Panta down leve. One handed red, the other blue. But their in a cage next to the old pair of Gellow-thighs. Didn't watch their long (handly more than 5 or 10 minutes) after this introduction, as I wanted them to rettle down peaufully. I did ne the following however.

The new presidence just frightered stiff, and runamed frozen,

clinging to the edge of their cage.

The old pair was greatez excited, liopping & flying around all over the place Often maling little hopping "runs" along a branch in the direction of the new wirds. Attered lots & Cots of Willis. In a great variety of invitualized pre-locomotory a locomotory portures quit opened rightly during the Wol. The mandibles probably moved a le the wingthem with the notes; but certainly not very much. I thembe one of the ands (prenumable the of) Wel'd much more than the other. This mon vocal bud unally began Wbl, and was then rometures "curwer. ed "by its wate, which began Wel a record or so later "There Wel's were unusually loud, and nowewhat harsh in quality, but otherwise apparently quite normal. It the that the unal Some of the Wol of the species might be transculed as counting of a few introductors notes "Tut tut "followed by rowetting like "Tawkera whera" The latter ghrace often repeated, rometimes intersperied with a few more "Jut"like notes. It does bave a defruite stricture. Only it is no rapid that the structure is defficult to delevurie.

Prelleophorus, I March 20, 1960 Been watering reveral press of yellow they we around 7000 L'est the moning. Quite setwe. Our pariwas particularly interesting Both wids Jeyus way excitedly and very rapidly from twent to twing and branch to branch. One was uttered Cots of "Duck" or " Douck" CN's, alwest contante Probably the of The other was ullering only few Juste's on Fruit s. Probably the q. all there note appeared to be ordering CN's but probably unusually loved, perhaps relatively bugh interinty Fremwally an wide cation of a deserve to the always uttered juit before flying off. and when a bird ded fle (at least the of), it ultered long series of their "Juck" CN's ma very accelerated manner. Jounney a CN Fill Otis probably significant that later in the morning, when the birds were much less excited, and relant most of the time, one or both always attend at least 1012 Jule (N's quit befor Squegoff, everwhen it ded nothing else.) When the awids were most excited early their money, when they were moune about most rapidly and atten, their CN's most Sugments our livid Calway the of, 9 think) would pilery a little un u from time to tuni, and their for to a particular buch without the tenter of the pair. Their was always accompanied by lots of CN's, and CN still sin flights by the presenced of. Sometimes the presumed of would Sollow the presumes Twee a few of with n. m. in the way. Once when the presumed a had followed the mm - carrying presumed of to the buch (wheel was pronumally a pot, west rute) the premised of hopped to hear, withe limb, stell corriging um in his bell, and then began to hop around her dudfor "privat" (more or less unegy

Orellesquerite War == 1960 II. Courty - mobilely in an invitualized manner) with his west word (CR) and less mungs stretched out mone of less hongoutable. In this porture be jurgomed neg rapid bowing movements. I don't livery the howing movements were really utualized as ruch, or out were eva appealed flying intention movements, but they were certainly quite con The presumed of s tack was spread throughout this bowing part. oundrie It was also spread wort of the true he was lispying about eve itelly long before and after the bowing performance. The presumed q's tail was not yourd to are appreciable extent while she was hopping at out, every when she received to be at her most excited. If think the presumed of also tended to rouse his west when hopping about long before and after the bowers performance, but I am not absolutely sure The presumed of was either quite rilent during this bowing performance or only rethered a few CN's The bowing didn't reen to lead to anything in particular, or provoke are particular response from the presumed ?. It is purbably biglis significant that there was obsolutely no trece of " 100g" at all this morning when the berich were hopping wo. und war one another rowerteelly. This would suggest that the rong

Prelliophous, Mar. 20, 1960, TIL (3) Is of this years a definitely not the direct result of any activated pavery 1 or revuel drive We only beard song from our or leoth lunds of their pair (which I shall call "Fair A") twice this morning. One when pair it come very close to an adjourning pair. Then one or with livids of both pairs uttered war soug phrase, witersperced with freel load Cal s of the unal type Both pour remed quite excited luxuiz this encounter fer nawing back a forth more or less regularly. The encounter was premuably a tenitoriel boundary duquete. The record time we hear of song was when pairit anded particularly cloutous. Both wice don't would suggest that the roug of this years is largely of complete Javi A wore by themselves, and hopping about and altering CN's & garticularly excitably, one beid (the premined of?) would unddenly sleep from its perich (which was lugler than the perch of the other Ourd) and plumet clownward toward the other bird. The other build always flew away before the plenumeting one could land out! all this was quite reminercent of the "pornicing" of of Jong Sparsour and other years. I muselt add, before Horget, that the "Leck" (W's willered ly the beids today were rather metallic miqualety. Somewhat remunicevel of the CN's of the Blue black Gras bales, allhough not newely as I welather the more or Cersmelather quality may be an adapt attent to lev His one in thecelets Maul 21, 1960 Ceur Punta Nothing mulicle today - too weeks .

Outly was son = 1960 04) The only thing we did see was 4 Privids beginning about writted me that this was a boundary dispute between a pairs. Quother wil ication that the rong of the species is ensuteally hostelle Pulleophones, I. March 24, 1960 Ceno Ounta Waterted quite a lot of Gellow-thigles (at least 4 pairs) wear I the great brevel in the road below Cour Funta. Very active. Lets of zerying about. Lets of "greeting" roug by manherer of peurs whenever they landed to getter. We watered one pair particularly closely Call the pair "B" One bird of the pair menumably the q was building steadely all more mig. Collecting in in. and leninging it leads to the resit and worling it in to the cup. (I shall call the building hird the of theory lout the following description, and her wate "the of I think this is perfectly walls, as the building beid appeared to be rather smaller than the non building one.) When we first watered the pair, ca. 7:00 - 7:15 a.m., the of frequently accompanied the q to the bush in which whe is building. "We never went down to the actual rule of the weet; but just landed more or less wear the top of the built, and then urually flew on to adjace ent builtes a trees. almost every time the of come to the must bush with the & one or both brids utleved "greeting" roug as they landed. Executionally the of mould interrupt building for a while and go to join the of in the adjacent surabbers, they then hopped about excit celly & cleunily, in typical Yellow- thigh failien, and ove si lister of

warp uttered "queture," roug whenever their landed more or less together. During the beginning around their also uttered a lot loud.

"Juck CN's, just like those of pure A described on Mor 20. Ward noticed that their CN's were unally attend in also them with the wing beats - presumably one note per one down beat. I also think that their CN's are soft attend in "fleget", i.e when a bind is actually fly-way and when it is just beginning from perch to peuch? Soldon or never when it is actually utting on a perch ???

This believes was generally grite like that of pour A Seculted above on Man 10 — went for the qual frequence of "specture," rough. It is possible that the frequence of this "queting," rough were been convilted with the "crowding of pavis in this area, There were lunds ringing almost all the time in all Sirections, It is purille that this provided continual stimulation for the hortile drives of the B beids.

The organdually ceased to an empery the & on leve trys to the

neit. By 7:00 a. m. he bed stopped completely

She quele legan to utter few or no CN's as the approach ed the next. By 9:00 a. m. the was usually juite releast. Custre frequence of her CN's declined, they also because refter. Buttall of the loud "Jucke" belie those of pair A, they evenue may reft, life the notes serculed on Sept. 17, 1958, 8 1.

I think that the loud "Fucks "CN's uttend by excited prior in auxidition with next building are probably nothing word than build intensity vecessories of the roft "ordinary" "Theres". (It is point ble - although Tambey are means more of this - that were or less loud "Truck"s are rometures queen as alarm reactions to our presence.)

Or both numbers of the pair, was some agreenine, even attack, believe

(16) 1 seed of corre & 90 31-24, 1962, IIIion. Rother warried, and pourly better greenes, but I that all or west of there reselves must have been comparable to the "pour uig of four spaceous. from twee, when our lund was approvaling the west of pair B, another wird middenly flewratity and there was a new rapid abuil rouffle, and then one boid flew away munedialets and desapper red. This attack or scuffle was always accompanied by a light- petaled R, Jollowed immediately by nowe gumbled notes which may have been a buy founders vermon of the rong. We could not tell evalte who were the burds woolved in these scuffles. Once, a few records after one sueffle, david now there yello w-thefes in the mon or less immediate regular head of the veit. La some of these suffles was have been territorial defeurs, woolvers one member of paris B and an intruster. Some of them were probable rowething else, Drue, Sauly early in the mouning, when the of accompanied the a to the recet, our levid attend a R, followed by the buy jumbled nituration of roug, when they landed in the neutry burls. Quited of the unal greature roug (Interiore) am sure that the two buils were the members of pair B. The quest muscliately to the west and storted to build in her unal manner; while the of flow on unhumed by to adjacent bunkes in his amal way. Leter ou there was another pource and scuffle belie the four carley livids. One livid approached the next, and their another appeared and darked at the opproviding buil, and then flow curay again. This daily was accompanied by the unal R-jurbled partial vong. In their care, however, I now that the approaching heid was the B of the ded not appear to be question affected by the attack upon her, and

went to build at the rest in a purposety normal way. In a few men uter, another bird appeared from the direction is which the attack. or had disappeared, and this burd turned out to be the Bo? (I am certain of this, as he immediately joined the female, and one or both birds preformed a little "greeting" roug.)

for nowe (or all) of the attacks or renffles new to be expressed our of the activity welfor sex brines (probably the former) of motest builds. If so, they way well be strictly hours to your with the "pounce" patterns of four francous o other buntings. Therefore, I shall call them "P")

Mui Prung be the livit believened confirmation that the

yellow- treats really are buttures

Thefortewatethe I could never be elisabeth certain which wish or build with the R - purbled partial vous levening there incidents today, but I think that it was always only the of another agreence.

Pulleophones, I.

March 25, 1960

We walthed some Yellow the Good Juiches in several mixed follow today. It is becoming apparent that the Yellow they is ensured ally a "follower" in ruch groups. But its role is by no wears " negat we", however, (at least it is not "negative" in the name way as would appear to be the role of the Yellow throated Alapetes). The Yellow thigh is always complications a frequently morsy. There are definite unde cations, wowever, that both the Brown-capped and the feely-capped Buch tanagers was reported "poutwely" to the rong of the Yellow-things (see notes on chloropingus, today and man 20, 1960, p. 23)

Cellephone, Mar. 25, 1960, II. One pair of yellow-teigles in a newed flored we were watering today definitely flow straight to a group of Sosty-copped Bush-Towayers wheel were engaged in a noise dispute (The Yellow-theyles also beg an to ming an every as they got wear the fosty Caps; but the may bean been due to the fact that they were close to the border of their territor, and almost remediately became engaged in a disjute well the resolvoing pours

of Efellow- thigles.) The fact that the territories of the Yellow-this pairs & the Soots Cop yours wear the upper partiere are eventually "co-terminous" (see today's notes on Chlorogrupus) is preminable important (now how)

in determining the structure or organization of unved floiles.

It is quite obvious that (now at least) there is never more than one pair of yellow theyers (or one family group, after the young have flower) with a norsed fleele at any given true. One pair well accompany the fleele through its own territors, but well then be repelled by a neighboring pries when the Stock leaves its tenetor. I should say that at least 75 % of the desputes between neighboring Gellow thighs occur when a mined flacte in parising from one yellow thigh tentor to austice. The uniques of the dupreture beids at well treves must be jaitecularly important in all iceture more burds of other years to the nuredy oup.

Rullingborns, I

March 26, 1960 Ceus Punta

(18)

this morning. They weren't was active, but we got every wore eviden a that the role of yellow-they so in never feeder is as net out above. One build ded perform a tetally new patterni, however. We saw

Prelliephone, Mar. 26, 1240, I. (ID) a pair of yellow-thefis flying from built to built Due livil uttered a lot of wiefe " auch" notes chiming this procedure There notes nouvoled exactly lebe our type of CN of Rhamphocolus !!! March 257, 1960 Prelleghous, I Ceno Punta. We watered a number of yellow-thingles want the upper parties et in mounting; and I think that I am beginning to make better neuse of the roug of this years. We fluited a pair of yellow thefis from a new low clump of regetation. (Mes clearp was no low that I rather thought the livids might be interested in rest-building - although they were contained not carrying m.m. when we saw them.) There beids immediately flow up wito a mearly tree, and then happed and or flew from branch to branch Every time they came together one or both buids sang in typical Yellowthigh Julieon, cut the rouge were not jute typical. They recould to have e more structure their the unal anners houter. The man structure ringlit lie diagrammed as follows: Fuh Duh Successes Whanh Would (queral twitter) peterecee Beginning will a few rapid CN's anology a builleurst of twittering. Followed by a their legh reste, which was followed by a long their

Certheophorus, Maria 15 1940, the

faut ratte undertone, and remelien was rether reminiscent of the R's we heard during the "pouncing" microlents described above on Than 24, 1940. This was followed by a notes which had a slight but of definite "anh" quality settions hers extremely "anh "than the votes we heard yester by "this basic structure was apparently modeful as lettle bits of "combroidery", poully little beits of twittering, which I could not really follow.

Later on we watered a single yellow they will a pair of yellow they we flock. Sometivally they became inadeged in a medicately
longth super (I don't know who - they remail perfectly happy
before). This was an our amed he lots of rong, mostly twittering as us
wal but one bird also attended to fattling notes during the stupute. These were quite different from the notites during the pouncies'
incidents described above on Mar. 24. They rounded as if a satisfing
about they then had been superimposed upon an "anh" note. (I think I
whall call rule notes "AR", and the nattles we heard during the pour
ments incidents "ER".)

Hellow this hopping about excitedly in the Venless atterney "and"
notes like those we beard yesterday. He couldn't newhot provoled
there or what it led to.

I am gradually converge to the conclusion that the whole voice repetitions of the following "ma gentlements: the "Iwitter" (N's, the "R" and the "Circle." Lever al of there may be combined or intergrade with one another. Most of the roug petterns are largely or completely "Durtter" but the other words patterns was be incorporated into rough in certain particular circums

Phelliophonus, Mar. 275 1749 III (21) statues (Pourly Islall bour to abouden the term "song" in the care of this species also. as for as I huow, we have never beard the "aule " protes (at least the pure "auch" notes) uttered by any livids except there that were recting as legumes next building. This might maggest It that the Cul save produced by some puring or several motivation Prelleophorus, I Marile 25, 1960 Cere Prenta Watered a few Hellow-theefes by the great beend in the road nee cueff the worning. One luid of a pair gave reveral hursts of loud but rather abbreviated roug (Cangel, Switter, I think) after its wate badleft it (flying off to another tiee). Such rougly in included hurd is cont and never never. The riviging haid flew off to join its wate after a minute of ro None of the levids down here gave the regletest trace of " and" or " and "- leve notes this morning. Perhaps the livids down here are I already part the neck of paving behavior. I watered that the loud "Truck" CN's may be no accelerated in Jestet as to form a wal R. But the notes of much R's are always much haryer a dutinict than the notes of celler the AR s on ER & D liane beaut. 1 2 shall tall ruch R'CAR D. (N Thele) March 29 1940 Prelliophouis, I We watered the yellow- theylers be the upper paiture their

Philleophenes Mar. 27, 1769, I. (23) monwy They were not very active Ne beard one big fight, between two paves, or between a paint randa reight with der. Fats of loud "Truske" CN's and twittering 1 & song Celio both AR + ER. Later on we litered to rouse greeting " rough between the me We rubers of a pair. He were able to desipher a lettle more of the fouclairen tal structure of the basic roughbrase. Freist an apparently undefferentent cel twetter, then a Ciglies-piteteral longer note, then a Congile of de render Mortellination Twitter "tale" "tow" "tow" This muget well be frendomentally similar to the rones of the Cocal species of attagetes. Prelliophorus, I Murul 30, 1960 Ceno Punta although I have new agreet meer yellow theyles in many enveron-I ments now, I don't think I have ever new them actually feeding on the Tyround. They alwort never even hop on the ground going from place to I place This is nomembat morphisms, as they frequently hop through low of showblery only few feet or wiches from the ground.

Cause across a pair of Apellow thingus on a number flech just below the buy head in the road this afternoon. I am aimost certain that one of both of these Hellow things was utterned thin, roft, "Increst "CN's before they become nouse of my presence. Lounded very much like the ECN's of the Apellow thingston attended all pellow the soil that feels with the Yellow theylus this afternoon, but I am almost cent and they were relief when I heard there "I freezet"s.) Then the Hellow things he was a they were attended they were fitted "I ack "CN's when they were deviced they are a full of the pellow.

Pullinghous, I

October 4, 1960

Watering a pour of Hellow thisles this morning (poculo the name par in as on Oct 3 above) Obvious sunduturbed (is now. Came very close Ore of the birds feeling (apparently enting leaves!) about & feet from one During this feeling, and subsequent hops through the strubbers, it ultimed a lot of mugle, roft, very short "Dreet" Notes. Prenuvably CN's, Quite Celie the ECN of Hellow throats in quality, but very much shorter PN's? for the "Duck" Notes are presumably hortete, not CN's

The TF's Steen species we walk quite remarkably extreme The lives I matitied their morning were doing extreme V-D TF's (The tack unce farm ed more than awal during TF's; but it is always dightly fare stoped.)

april 10% 1901 Cerro Perrita Prelleophorus, I Hatitung a pair of yellow- thighs engaged in briefling this I morning. Manthe great brend. In exactly the same place where we watched green & veulding last years in March (see p. 14 et seg.). Perhaps the same pour. In any care, I shall call there luids "B" too. Gregorthuatety I ded not become aware of this pour until fairly Cate in the morning around 7:15. I watthed their for about an hour During this period, the presumed & I shall call the greenwed & and the presumed of "o " and of", tout court, from now on) made coll exting trys after collecting trys. Sometimes collecting grass and straw. at other true collecting dead leaves spent quite a long true arranging the waterul after well tup The Fumally accompanied the of both to and from the next. While the quas building, he tended to set quiette in anoth er buch a few feet away. While the q was collecting, the of tended to rappe about and fud, remetimes close to the q, and at other himes rome appreciable distance away from her The luisdo were really quite rewerbably release - for yellowtheyles - their morning. I heard only one real "greeting" apparently purely Switter. This Switter consisted of 2 or 3 encertially of alisolate by itentical phrases. Each phrase might be transcribed by something like "La ta-ta-zerecce 3a-zerecce" Each phrase recued to lugur very rapid On and then slow down, a little, toward the end Quite remarkable, remunescent of the WS of Value Fornagers () wonder of both the WS of the Palm Tomager and the Twetter of the yellow staglad fericle could be neoteric??? Derived from juvery

Prelliones, apr. 10, 1961, II 111 x de "mb-song"??) Both burds usually uttered quite a lot of roft "Fuche" notes & when in Sleglit at least 3 or 4 times, when the of landed rome distance away fro In the of after the left the next, the attered a faint, abbreviated, rather pleasant and warblus type of Switter (just one phrase to each land mg). It recurs very milital that the could have been reacting to the of when she aftered these phrases. Wed she "expect" the of to be there who in the landed?? On was she trying to "call in the of?? On was the reacting in a hortite manner to me ??? (may care, much bruf rost pluraces recued to be an "ordenary", "normal" part of her repor I have year the all occurred when the q was flying across the road, The of actually list the quite front of. The provoled a very Orufaereal fight. The of's & itself was quite releat, but one or both livids uttered 1 or 2 harsh "freeeeee" notes during the actual suffe I preserve that there "freezee" s were what I called ER last year The q flew on to the next investigately after the scuffle, but the of was dutracted by me (see below). The or runed the qui the record P. Both lierds probably quite sitest throughout. (It is breedy possible that one of their uttered a very faint rasping noise when the of was merreit to the q.) The q just flew ou to the next, while the of went to perch in a nearly buch. The of but the of again in the third P. austres brug arrival scuffle. again the situal P was relent. But the scuffle was anoupan ed ly a fairet "Sreecee", followed munediately by an egrally roft but

Prediophous, Oly 10, 1761, III. more dequally rathling mm R. (This latter may, concentrality, be the name thing I called "AR" Cast year - nee notes of gran 27, 19603 (9-20) again the of just flew on to the rest after the scuffle, while the of flow to rit is an adjacent buch. In general, I have been surpresed by how incompletions yell our thinghe have been everywhere this trip. Almost all the burds I ha we seen have been alone. And not very noisy. This must be the "off reason" for display. Divingue that may of the q's must be incubating When of B suddenly became aware of my mercua after the fruit of the monune, he landed in a buch war me. There, he did a lot of in equier bowing and prosting silent. But with extreme CR, WF's and TE's Hus was all very reminescent of other bruil fuiches. But welther the bowing nor the pursting monuments were as extreme as the most externe movements I have new performed by nome Low bow posterie I was degare unipressed, today, by the extreme exaggeration of Itte TF's of Yellow-theyles. all the TF's I saw today were extreme V-D. Sometimes quite vertical at other times, with a very extreme lateral component.

I trued to water the Blurch again today, but I didn't get would in the way of interesting observations. They were arround in the vicinity of the next, from about 7.00 a w. ouward. Of first behaving much as yesterday. But even less notine I only saw one P. Fater in the womans, the q second to be building by berself. The ot did not accompany her on her trips to the veit, and I could not locale him was two any where in the area

Around 7:00 a no. I heared a lot of yellow things I witherway

Covering from a taught of vives, about 30-40 feet from the B next rule.

When I frielly freed the birds in my benocularis, I now that there were

2 birds itere, were close together, one bird hopping right behind the

other They lived a whole series of I withers, one right after the

other, during this hopping. Many more Fiveters than I have heard tog

yether at any other true during the last 3 days of observation Graduelly

the levids reparated, and they uttered their I writtens at langer intervals.

They are berd itwested to precen, and both wlaved

on alternat or part-copulators degrees.

I don't huser of their livids were the Blurds or not

Prelliophorus, I

Cent Punta

Wateling birds down by the great bead of the road again. The B birds were remerbirlely incompressed the road again. think - nee below.) I naw the pour by the west-rate very bruff, just after down. I also beard one or two Yellow thingles ultiming facut "Truck" CN's in an area which the B's used to frequent later in the noming But this is all! The B's must be in the "post-in b. I while " which is no characteristic of tropical tanagers and findles, and we visfurnating!

Jolid oliverue a herd wear the Barea from titue to time. I Jou't think this lived was a B. It was joined by its wate occasionally Llust only for level perusids. I shall call their livids "C", at least for

The true liening.

from the low directives in which it had presentable been fording. It perched on a branch for a record, attend a dutinet "Tree tree taswee-yoo" and then flew away. This words atten may have been an aboverated twetter, but it was certainly very reminescent of the Brown capped Bush tanagers.

I also came anors a C livid in the absorberg, several time is, without receiving to startle it as would as in the last incident. The bird weally put flew and hopped through the strubberg, remetimes coming to "impert" me, remetimes not. It was unally quite vocal. It was unally quite a lot of "Inche" (N's Both while perdued and when fly way. There "Inche" is were remetimes near roft, remetimes quite a love (lent never very notables). The loudest "Inche"s were unally entered when the last was nearest me. The bird also attend quite a let of long, moderately loud, rather munical Trustering phrases from time to time. I think their frontening phrases must have been hostile and provoked by my precence. Who bird's mate was not visible near by. An I the bird hid not rather Invitoring phrases every when it was obvi

Prelliophones april2, 1761, II. souls rather disturbed by me.) Hove of there " Truck "s or Twittering phrases was accompanied Il le any yearl posteries or monuments. When the Clurid was journed by its water, once, both lunds att eved a number of love numberal Frontenus, plurases, but nothing more developed. Pulliophorus, I. april 13, 1961 Cello Punta Watelung burds in the area half way between and Punta and the appear parture this morning, Uplow-trigh Caused on a branch above my bead, and ultred a first en, followed immediately by three loud "Isa-weece" Thats. This Both herids flew away and disappeared without done anything further This "Isa-weee tra-weee tra-weee" voisligation was new reministrated from of the "sones" of chestant-capped Buch from the chest I heard today (ne today 's notes on attapetes), but loader and notatall "whispering". Probably also lower in pitch Prelleophous I april 14, 1761 Ceno Pina This morning I went back to the same were arriving arrow I med 6:30 a m. Spent most of the true watering the pair of builds I naw

Phelleogleones, apr. 14, 1961, I. (30) Greaterday (ne alrone). I shall call their pair X The X brids were not together steadely all monning. They I frequently russed about and fed in the ilinablery for approximately 5 I minutes at a time , but their one brief would desappear for 10 to 15 newester, Coavery the other levid believed. I nother these that the ber I while desappeared periodically went have been a & probable enga ged in next limited my, and that the livid left believed nurit have been When left by the of wards went high we a mederality bugh the and rang and rang and rang, steadily until the que appeared and journed him. A SOUTH 2-N boug. Head telled way up. four CR. Some fluffers or ruffer ng of twoat feathers. all the song uttered by of X when he was alone were the same. Lette the rong described yesterday. Always 3 doublets of bruglaber notes. "Isa-wee to a-wee to a-wee to a-wee" (He 2 notes fea)

tete equal in Congette). I think I shall call this moralization "the 2 -

all the a - Note fough of the French lewered from incutively in mular partiers. More of less like the partiers diction on the presenting page

the of tended to report 2 - Poste Jones over minute on no (nome times more frequently), as long as the q stayed away. We also timbed to remain motion less for reveral premode at a time while he uttered several 2- Note Jones. He of utterming 2 - Hote Jones moved around been the

an air other Efellow-thighed Frich I have ever neen

The A recovered to have two favorite trees from which he gave his a-hote forego. Hure trees were ride to ride. Within there two trees, he do I not recent to have any particularly forward migney perches. There I trees were not connected with the lower shrubberg by vines. We of ut towns her 2-hote forego was remarkable high for a Yellow thigh apard from a tangle of vines.

Touchand haved almost "Zulier zicher zicher" (The quality of the notes was so willed that of most notes of other buch furches and but the tanagers that at first I thought the vocal gations must be uttered

ly rouse dendrocolopticl.)

The very fixed "determinate" number of notes in every 2- Note

It is obvious that the 2-hote song is the roug wedle one bir I to attract its mate during the brending varion (The QX unall your ed the of, eventually, when he continued atternog 2-hote sones long enough, but I could not, of course, prove that she would have joined have less promptts if he had not attered 2-hote sones)

Freellinghous, ayre 14, 1961, III

(32)

The 2- Note foug of this species way be strictly homologous with the DWS of Reinspherelus spp. Court the NNN of Allorospungus??) They alway built an early stage in the evolution are transition from DWS to the 1- Note fores of hoth Reinspherelus a faltator???

Whenever the Q × joined the F, they always happed about a flew, feeding actively. Also attended lots and lots of load musical Jurities. Whenever they landed together, or one came close to the other. I aim almost certain that these Jurities were ultically hoth the line of Said Swittering phrase named to be based upon the following

othering included only a ringle phorase, but wont comisted of the same

"outline": "Ta-ta-ta-nececce -ta-ta-ta-ta four luverts of Ju

I wonder if the long reste wicheded in the middle of each Fwitter mighterare could be houselogous with the Wis of Thraupis and Fougara

and the BEN's of the fangre de Joro?

Just one cool this morning, when the 2 livids more hopping about and Invitering together, one of the birds middenly altered "feece feece feece "It led this when its mate was only a few feet away, but I think that this must be the same as the nimilar calls I have beared attend by inolated of's (see Mars, 1959, p. 4, and Mar. 9, 1959, p. 8). Probably produced by the same motivation as the 2- Other fones, at a lower level

Very early this morning, when I first circuld in the area, I new a ruize lived (almost certainly not one of the X's) moving this ough the bushes, attening lots of Swetters as it did so. Oll of them I witters seemed to be compresed of rejectations of eventually identical plus uses Early sloves mught be represented by the following diagram

"Da-whee-ce Mars" (This last part represents a formless twitter may workble).

Mu boid perded on a branch, once, and attend neveral work dilletict "Ja-whee-ee's" of the Interior phrases chapsumed above, and without rubuquent warbles), followed immediately by more of the Invitering phrases di agranmed above (industry warbles), Men it flew away and disappared

Describe that their "Sa-whee-co" patterns were closely ulated to the 2- note Sover of the Xo, Out they were rofter and much low ampliation nouncling.

Late in the monway, I now a emigle Gellow thinghe Cowbably

To Seeding on the ground for a couple of minutes. Made a few hops

Gerlied at regetation on ground with its will

Pulleophorus, I

april 15, 1961

Watering the x brids again this morning.

The of x bregan ultering 2-Note foruge at 6:45 their morning (after be lead been together with the q orce). He their continued nucle son gs, off and on, all morning.

Surprisingly enough, almost all the 2-Note forughe ultered the is morning were composed of 4 doublets "Joa-wee toa-wee tra-wee tra-wee tra-wee" I don't when there was this difference from his behavior yest erden.

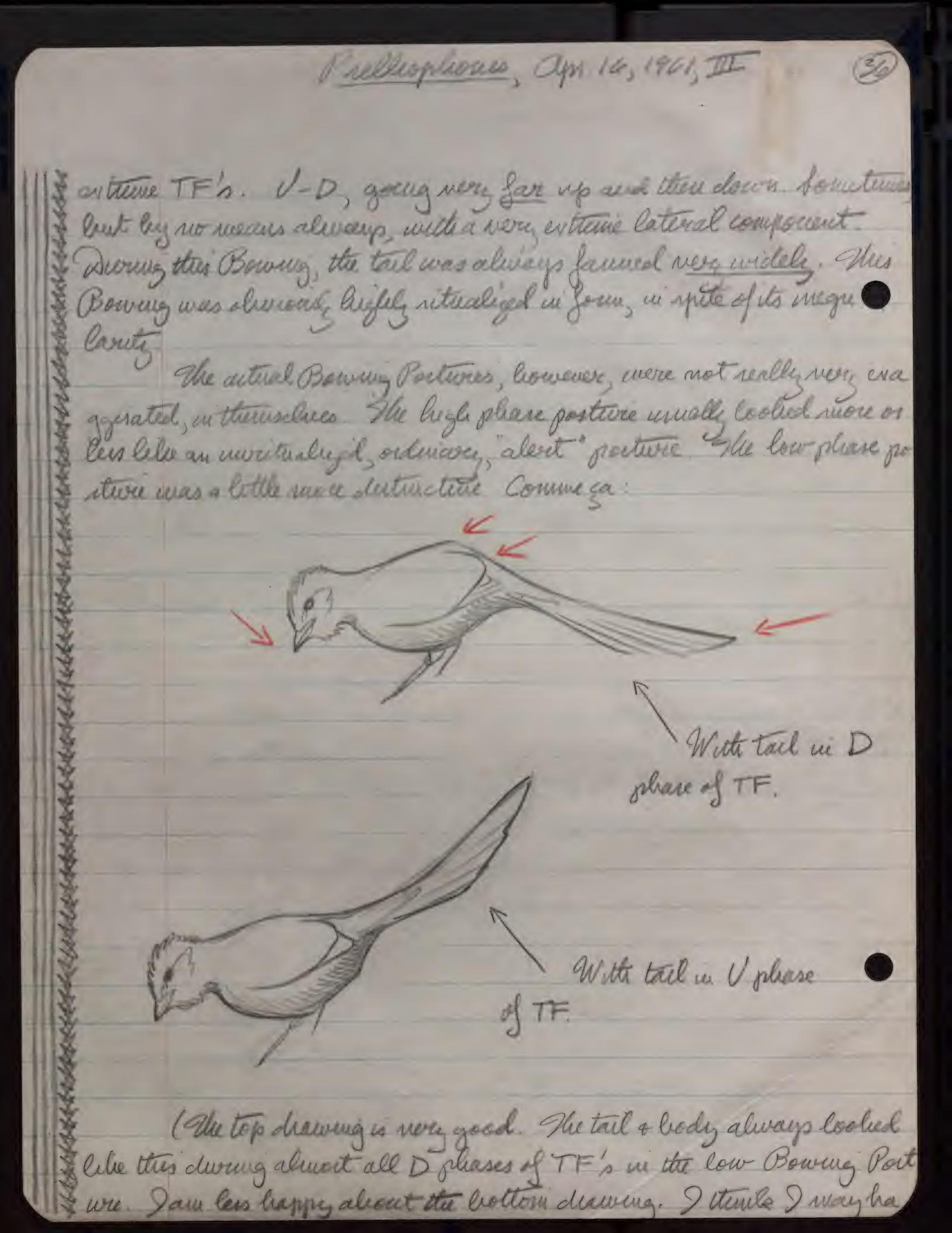
That all the 2-Note Jangs of the XoT are hard a loud Every one will a well, be utters a rofter 2-Note Jones. The "ha-wee" Justes in rule.

(34) Predlegitiones Apr. 15, 1961, I nost a Note Long are definitely reminiscent of rome notes I have been and incorporated in Junters But much rost a - note Long we relate well ner nate alte as I drew it yesterses; but it is unall pretty close. This portion is certainly retualized in Jenn Twee order to utte 2 - Tette Loves He was to low his fear of breights completely at ruch trues. Zarionale this monning, but weether brid carried u. m. at any time. april 16, 1961 Cerro Pecuta Went back to watch the X beids again this morning Just after dawn, the 2 hirds flew around and fed together quite entractually. Atterning a let of "greeting" Twelters, but no 2- note fours. I am now fairly certain that this years does not ha ve a real, desteut, "drewn song" patteru. The Futtered frist 2- Hote Longs at 6:55. Here frist 2-Note foreguere composed of 4 doublets. fater in the morning, the of uttered reveral more hursts of 2- hete fongs. Some of these were rather different from ceny I hoeve heard before. Composed of 3/2 doublets, with the first syllable or note of each cloublet being comparatively hard. Such a 2- hote fong miglit be transcribed by remetting like "Tuck-a tuck-a tuck-

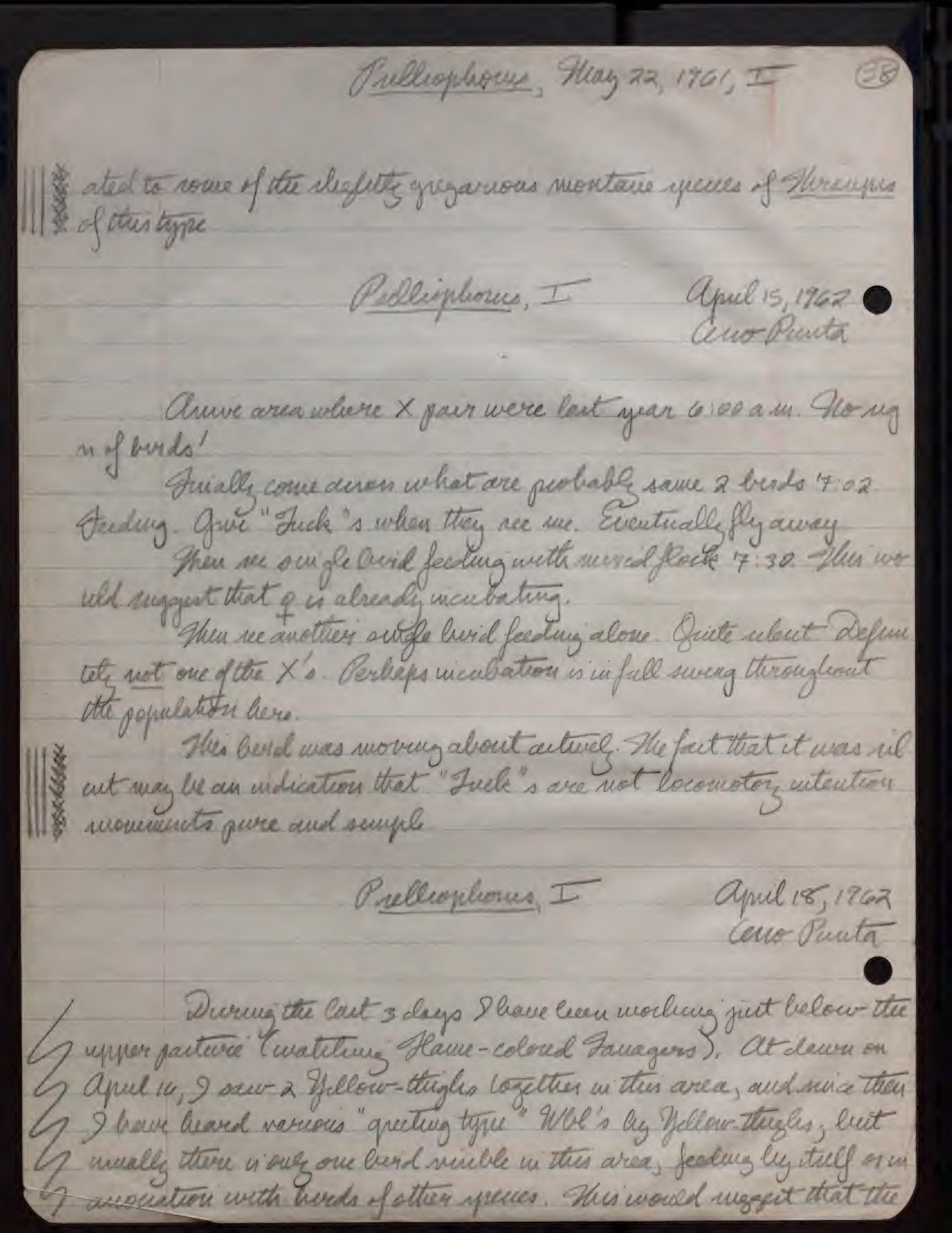


During one performance, around to voca m., the of giret I uttered a whole hurit of a note bourge compared of 3 /2 doublets. E lilie the song trourented warmedint of always their switched to more conventional a note forage, compared of 4 doublets (" Treewa Tree wea tree was tree was "); and their switched back to utter more 3/2 doublet longs as lighte. I presume that their 3 1/2 doublet "Tuck-a" 2- note forego must oliffer from the more conventional 2- Victo forzo in motivation (and possibly function), but I don't how how. The round of the "Tuck -a" Longs miglet megget that they are more strong hostile; but This is proule hypothetical as yet. Sougs is different from that of the "Isawee" type Lougs. I rather the Os far as I could till all the 2- Note fougs uttered by the col their monering were cettered when he was reparated from the q - except our thue be ultered a (perfeitly conventional?) 2- note fong wh on he was only no feet away from the q and she was in full niew Instical this menny that the of's tree vibrales or Malies quite appreciably in rhythen with the riches of the 2- Hote forg. The west witeresting Culravier of of X this nurring was now rather exaggerated Bouring. Every once manufule Curnally, I thinks, immediately after the of had somed limi, after being away gora while, the Forward become very excited, and start hopping and flying mully all around the q , unally staying wetter 3 or 4 feet of her. at the Is same time, be mould begin to perform lets of megular but quite

extreme Bourney and privating. This was accompanied by lets of



Peclesphones, agn. 16, 1961, II. (37) Is we evaggerated the raising of the toll in this porture.) all or alwart all this Courses was allow paired by CR and at & least some Throat-gluffing. The head and bull mere unally point I ed Lownword Levening the Norwa Stresses (nee drawings). I thenke the & a downward pourting was probably an intention movement of peching & at least, devring rome hurits of Bouries, the of prelied down at the branch our which he was personal quite faquents and vigorously. Thes & appeared to develop into BW in nowe cases. I think (but am not quite sure) that the oto Bewing man als o accompanied by WFs. Most of Propercolo of interest activity and Bowing were quite silent, but once (at least) be rettered a few brueful muffled Fevretters Now of these Bowery goodomances ever led to anything more definite. They ded not appear to respond to the It's Bowery. The first rat of moved about in an ordinare unniteresting way while the Bowed. Heavettween, Introded not be urguest if the Bowing trouslout to be pre-copulators display, or, at least, the result of fins & trated resurlete John & think the q X can be viculating yet. at Cent ile I stonged recorte Treadel from dawn (6:10 a m.) until 7:15 lus mornings May 22, 1761 Prelliophorus, I. Afterwaletung the Heravier bouareeures around here, I am beginning to thrube that Brelleghours may be most cloud rel



Pullinghouse, April 5, 1962, IT. (32) Ga of the pair in this wise is inculating, and only jours her mate ourse operanoung, at 6:13 am. I beard a remiter of calls from a leve the let which received to be 2- Hote bourge land on rowething cloude related to the typical 2- Note Long Lowe phraces certainly "Fuh-with kuli-with toa-weezees toa-weezee Others probeling bawelege tracuesco tracuesce I think there R- note four runt be cloudy whated to typucal song of rome species of attapetes. Osmill also stiglite reduced done attues of typical nouge of Pernuga, Pheneticus, and Vivier They at 6.30 a.ru. from the same theelest, I heard a liwest of Yellow theyle Wel's which were bought composed of a short Switter, followed minustrately by a "Isaweeree" hote, followed much rately by a regetty Couger Twitter Such Will's were presumably down related to (posselly identical with ") the "Iwithering phrases" des cubed above in the 2nd paragraph on p. 32, apr. 14, 1761. Mere was a buy pause after these vocalizations. They the same lived began to utter more "Wel"s. Each of there "Wel"s larger or comp letely compared farever of rapid "fee wee servee servee seewe see see wee , " " " hotes, I robbly were closely related to the DC - type calls derwebed always on Man 5, 1959, p. 7, Than 9, 1959, p. 8; and agn. 145 1761, p. 32. Probably very closely related to "PN" saud SN's of atter proceed The latter may also be derived from something like the Joanweeler and "Keerboo" type notes of the typical rouge of Ferange, Obendreus, and Your.) as room as the livid began to where there pluranes, it was "answ ered by austre burd, in another theilet, anors a road. This was I wed also uttered Will's, probably non, sumlasto, or dented

Prellephone, Jyn. 18, 1762, I 9 worth the Will a of the fruit level. Went the second level fleer account road with theret of fruit level Then I bear typical Gellow-things greeting "Will a, Alexander presumably wave of a of being joined by lus . Prelleogleones, I aprel 17, 1962 Ceur Punta Worling in some place as yesterday this morning. The 2 birds 6 I watered yetterday were also quite courpicuous this morning Gall morning (until 9:00 a m.). The quas was the Falwort all the Time Perhaps her next has been derhoyed? One of beeth herds utt | wied was ordinary "greeting" Wel's this morning. Quite as wan 118 you I have ever beard attered by birds earlier in the reason Prelliophous I aprel 20, 1962 Cour Punta Worling in Lewis o place this morning anne 5: 45 am Herr "Dawn Long" of a sengle Yellow Things 6.25 am. falet ary livid, retting low unide therebet, Repeatedly utterway rerues of Motts. "Zeewa zeewa zeewa zeewa zeewa Utleett z notestolli nerus Poull were in some series. Allelevaling Busing almost zuherze ther toward and Newsony cloudy ulated to, probably sulf a bight interret form of what I called I - Juste foreglant year But ulling fairly creek during the performence. Throws bead track during outs review of rolls. Poully light CR, but wordher up

Pullegliones agri 20, 1962, I Luxury weter more or less convue en MUDIE CR 3 after migning for outga Buril flees off and clus appears 4:45, Inudelevely bear a Burst of Cocal Well's from a clump of regetation about 30 ft. From where the libral desculed alreve was surgues carteer Tack Will large Faritte, but also witholeung 2 on 3 loud, wagest Ta-zeccere Woter Then the burdultering there Will's fles out of change Getters "Tuck is w flight Goes who avoiler cleup. apparently joins wate there, as I bear a loud hwest of ordinary "quetury " Wel. Perre 6:50. Apprenente, rame bread that sang earlier the morning back walter Burne area surging again. Attering digetty different veries of are are are are are all writes very rapid. And slightly diceles alway Willer I my many veries, with only slight games between Otherit 30 (prof

Obellinghous Jys 20 1962 III (40) * My ware more) wa now from whele last server of sower" with ed by a of Wilson's Warbler !! Con the resemblance between the I so of this greves and the Hellow thigh be uguificant ???? Orellieghorus, I april 22, 1962 Ceno Punto Sandeleulz come upon a Hellow-thighes here (first rete) 4:30 um Grobelly dutwited by me Hy neto the. Atter "Tuck" o in flight. Here greeting " Twitter upon landing Then hosp through the and bush es. Many more Suntters. Both livels BW after first 1 or 2 Fwetters One lived continues to BW (2013 times, each time) after later Iwillers 4 105 Come occors rengle livid felting moderately lugh agente Tub tile till till tanbeccecce exposed Setting with CR, undergorts rowewbat Buffed. Greek not itretelized up between in pluraces. Ball pointed up during each plivase, but neck still not declined upward. Ithere CR is man towed devang phrases

Prelleghour age 29, 1769, IE Brid flees duray after a minute. Back of: 10 a Ju. Perched in adjacent the but itell wederately I light and expected Sugaring phrases just as before ! Betiter regularly Approximately & per number Continues for approximately a summete Then fleer of again So there would rear to be counderable variation in the rough of This species. In live tuel overestron may be characteristic of the Emberies nac. On of day rougs in general? On of "Howardes, both at La un and during day ?? The songs of this lived might be described as "reduced" verse our of the "2. note Longs" I have deared before Possibly low interests (as interated by the absence of rule-stretching), but I doubt it. May Coloudo Prelleopleones, I Che of my a remaining coptive burds uttered single roug phrases, at relatively long intervals, this morning between 6:00 and one of 1:00 am I heard it (from a suitance) utter ounder phrases from time to time during early morning both yesterday and the "Beese zeece zeece-ali" (The last note being rather raying) Later the lund uttered a few phrases lelee Jue george la zur ", as well as nome nuove plurases liluittu ear The bird atterwe there phrases is in a medium me cage, with another burd of the same species

. Prethophous, I April 20 1963 Mario de cado Months now going down to ease of Berd Interime is of a coan.

Herting to rain! Bird relent. Just Jung and moving about cogo Co: Waru Burd widdenly starts to my short rapid determinate phrases. Of "Zece" hotes. First phrase of 5 motes. "Bece gece zece zece zeel. Later phrases 3 on 4 resteo. Attered at nomewhat megular intervals Buil structs or sits motionless. Iwang phrases Themulves. Thous about betuof phrases becoming more frequent to 15. Hually four notes Lact note of phrases attend from rather exect posteries. Apparent juritualese Still are occasional phrase of 5 " Zees" hoter. But widoubtetly 4 note pleasure we typical. With or wethout bryllabur last note When last note is "buyelable", the plenases may be almost " Zece 3000 3000 3000 300. tail neumanily posited downward Buil apperently always structures not attue, during plurases (of course, it was be nervous about Partial concertion - 6:30. Bruil does tend to point its bill diagon alle unword during phrases, But this relation or never gets as far as in my diswences of the roug portiones of chirique bends. Leaving 6:31, as Boes comes with food. Bud still migues in

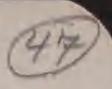
Pselleyrhours, april 26, 1863, 11 (45) the same way. These rouge would run to be encuteably the same as the first rouge uttered by the same board on May 6, 1962.

Putting presenced of (Red) breck in case with presumed q (white). 8:30 a m. But hops about wee Ultowing lots of vee, noft "Fred" Wotes supplanted by white . One bird uttoes very bruefroft Twitter. Then they reparett again White lands close to Bid again one bird utters very nost and buf obveous incomplete, Further Both now far sparet and welcut Whate utless roft " Isa-awheet toa-a-wheet " They rue or Easth utteres) more smules notes few "Just " notes 8:35. They they reparate agreen. White reddent goes into BV-TV. Two Q. Sclent Whele rome dulottee from Bd. Two Belles leyfus Bell closed. Jaung toward Red

Men relaves. No response from Red. Both brouds mount around nounally o releating 8:40 a m. Mun Mute approaches Red. White in same BU-TV as before again wait. Wings held out very rightly, but no Q. Red retreats unwediately - drops to ground and seweres away. Looks very much as if he were frightened by White's BU-TU!!! again White does BU-TV, Janua Red Juit as Red flees over her, lands ou distant branch. Again weres held out wer rightly. This time of a very regalty. No response. Buils are really quite reverebably ulent during this. Duly ours would " fut " (N while moune about. White goes down to bothe 8:47. Duplacement? Then up to doug hearly while Red feeds on ground. Then old unddenly lops up and upplants White! 8:52. Then Red down to feed again. Followed & White White atters were link and nost partial Further once, when landing a foot or so away from Red Horespouse Then White back to donying hornely. Rid perched quietty some des town way 2:37. Then Rid starts hop about exultable. Supplants White One or both build utteress a few roft "Jist" Troles while

Then bends far apart and quetagain.
White goes into another BV-TV, wwy slightly out, very fait and slight, barely perceptible, &, when Red approaches her. But he juit moves part her 9:01 a m

again Red goes down to feed, again White follows at dutance



For now reason, White starts to be about, uttours "fuck,"
Inter, 9:07, Disturbed by Orange-bills ???? May care, her bela avior doesn't brother Red. branch above her. This BU-TV way be accompanied by very roft when perced " 3ce 3ce 3ce ... " notes. nothing will going on now, 9:17. Red rething quette. Ith ite moune about ournerally with occasional " Juck " Notes. White still utters occasional livel roft indication of fwitter Creally no more than a few buil a varued " Fuit " Frotes) when lecuding - nowetimes when lan dingfar away from Red. White again follows Reddown to Jeed. Their reparate again Itel nothing of interest 9:40 a. m. Bouls put retting. Then one lands bende the other Long typical greeting Twitter (leg Red?). Then reparate again. Rediretruaturg. It is of their liveds appareently always V-D How both returning quette and meening, about 2 1/2 It apart